

## WEST Search History

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DATE: Monday, November 21, 2005

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
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<input type="checkbox"/>	L1	(thieno and pyridin?).clm.	59

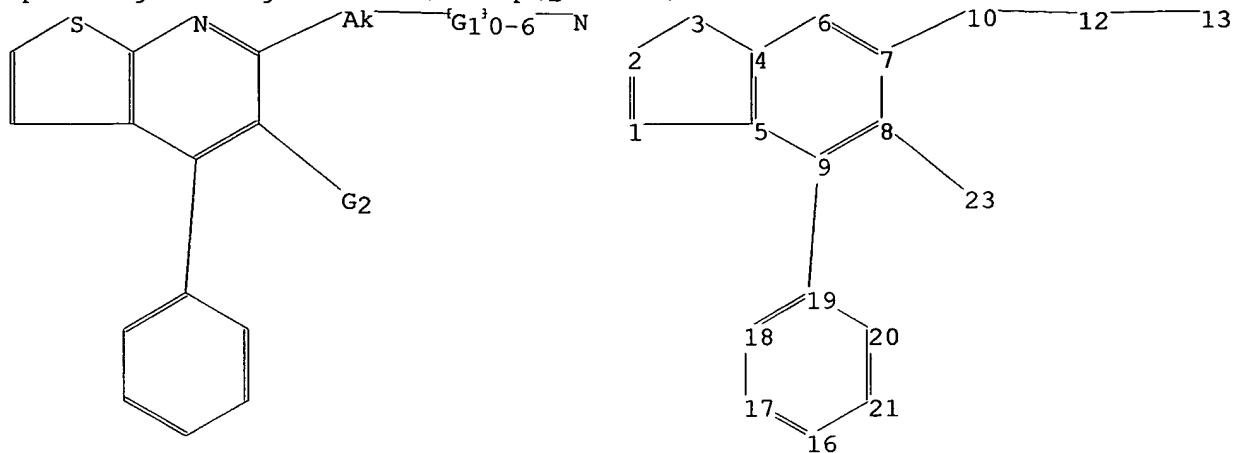
END OF SEARCH HISTORY

\*\*\*\*\* Welcome to STN International \*\*\*\*\*  
 \*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 09:28:03 ON 21 NOV 2005

=> file reg

Uploading C:\Program Files\Stnexp\Queries\10662165.str



chain nodes :

10 12 13 23

ring nodes :

1 2 3 4 5 6 7 8 9 16 17 18 19 20 21

chain bonds :

7-10 8-23 9-19 10-12 12-13

ring bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9 16-17 16-21 17-18 18-19 19-20 20-21

exact/norm bonds :

1-2 1-5 2-3 3-4 7-10 8-23 10-12 12-13

exact bonds :

9-19

normalized bonds :

4-5 4-6 5-9 6-7 7-8 8-9 16-17 16-21 17-18 18-19 19-20 20-21

G1:C,O,S

G2:O,N,X,Ak

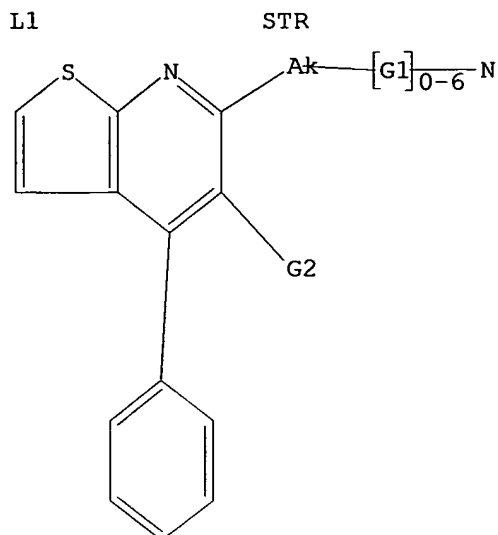
Match level :

1:Atom 2:Atom 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:Atom 9:Atom  
 10:Atom 12:Atom 13:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS  
 23:CLASS

L1 STRUCTURE UPLOADED

=> dis l1

L1 HAS NO ANSWERS



G1 C,O,S

G2 O,N,X,Ak

Structure attributes must be viewed using STN Express query preparation.

=&gt; s l1 sam

L2 3 SEA SSS SAM L1

=&gt; s l1 full

L3 89 SEA SSS FUL L1

=&gt; file caplus

=&gt; s l3

L4 5 L3

=&gt; s l4 and pd&lt;march 2000

20658285 PD&lt;MARCH 2000

(PD&lt;20000300)

L5 3 L4 AND PD&lt;MARCH 2000

=&gt; dis l5 1-3 bib abs hitstr

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:467219 CAPLUS

DN 131:237492

TI Studies on disease-modifying antirheumatic drugs. IV. Synthesis of novel thieno[2,3-b: 5,4-c']dipyridine derivatives and their anti-inflammatory effect

AU Baba, Atsuo; Mori, Akira; Yasuma, Tsuneo; Unno, Satoko; Makino, Haruhiko; Sohda, Takashi

CS Pharmaceutical Research Division, Takeda Chemical Industries, Ltd., Osaka, 532-8686, Japan

SO Chemical & Pharmaceutical Bulletin (1999), 47(7), 993-999

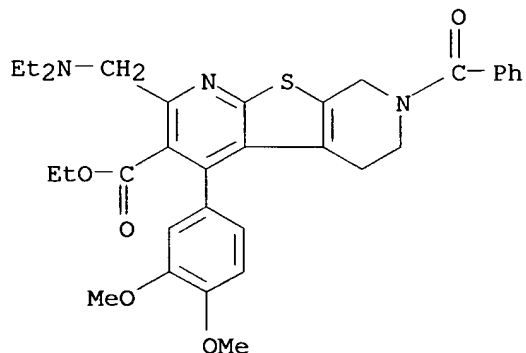
CODEN: CPBTAL; ISSN: 0009-2363

PB Pharmaceutical Society of Japan

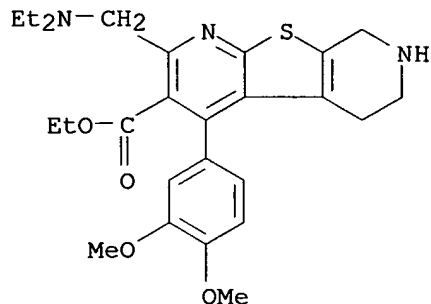
DT Journal  
 LA English  
 OS CASREACT 131:237492  
 AB The syntheses and anti-inflammatory activities of novel thieno[2,3-b]pyridine and thieno[2,3-b: 5,4-c']dipyridine derivs. are described. These compds. were designed by modification of the quinoline template of a new type of disease-modifying antirheumatic drug (DMARD), TAK-603, and prepared by the Friedlander reaction as a key reaction. Their anti-inflammatory effects were evaluated using an adjuvant arthritis rat model. Most of the compds. which included a diethylamino moiety in the side chain had potent anti-inflammatory effect. In particular, Et 2-(diethylaminomethyl)-4-(3,4-dimethoxyphenyl)thieno[2,3-b: 5,4-c']dipyridine-3-carboxylate exhibited more potent activity than TAK-603.

IT **199101-50-3P 199101-54-7P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (synthesis of novel thienodipyridine derivs. and their anti-inflammatory effect as disease-modifying antirheumatic drugs in relation to structure)

RN 199101-50-3 CAPLUS  
 CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 7-benzoyl-2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



RN 199101-54-7 CAPLUS  
 CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)

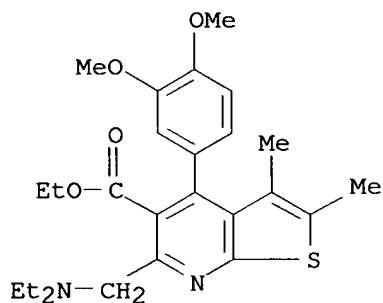


IT 179327-47-0P 179327-72-1P 179327-73-2P  
 179327-75-4P 179327-83-4P 199101-56-9P  
 199101-58-1P 199101-61-6P 199101-64-9P  
 199102-03-9P 199102-12-0P 244298-81-5P  
 244298-84-8P 244298-85-9P 244298-86-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (synthesis of novel thienodipyrindine derivs. and their anti-inflammatory effect as disease-modifying antirheumatic drugs in relation to structure)

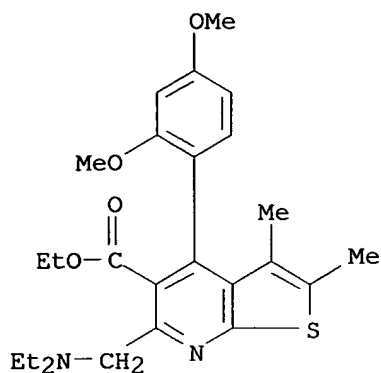
RN 179327-47-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



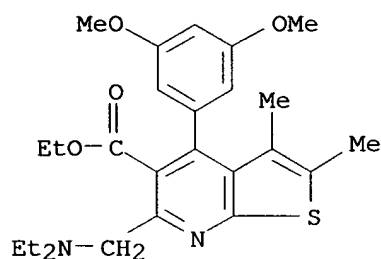
RN 179327-72-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-4-(2,4-dimethoxyphenyl)-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



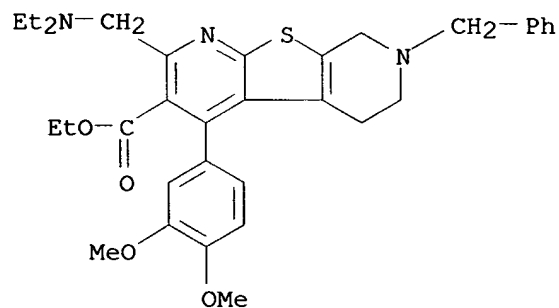
RN 179327-73-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-4-(3,5-dimethoxyphenyl)-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



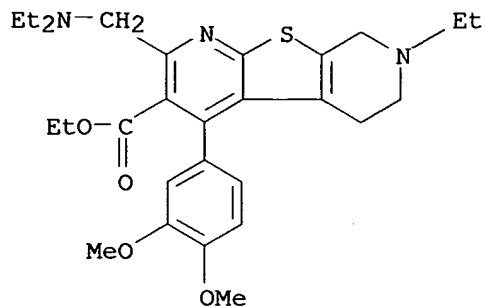
RN 179327-75-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)-, ethyl ester (9CI) (CA INDEX NAME)



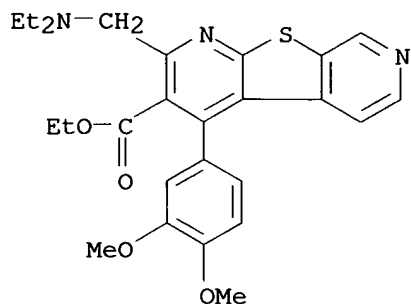
RN 179327-83-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-7-ethyl-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



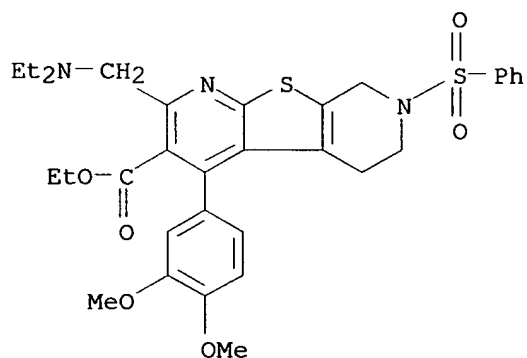
RN 199101-56-9 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



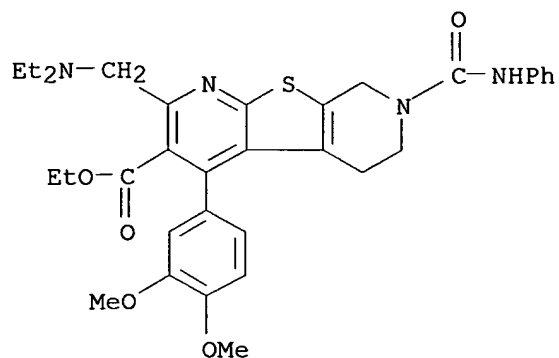
RN 199101-58-1 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylsulfonyl)-, ethyl ester (9CI) (CA INDEX NAME)



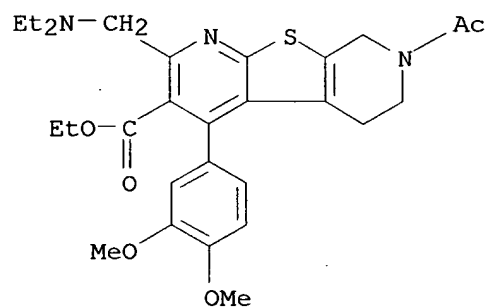
RN 199101-61-6 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



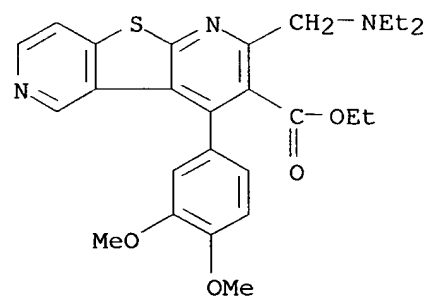
RN 199101-64-9 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 7-acetyl-2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



RN 199102-03-9 CAPLUS

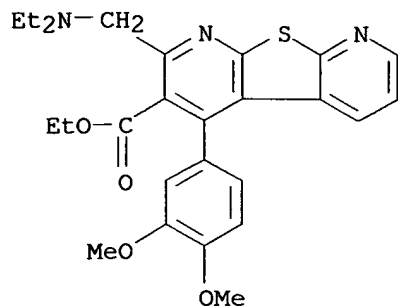
CN Thieno[2,3-b:4,5-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 199102-12-0 CAPLUS

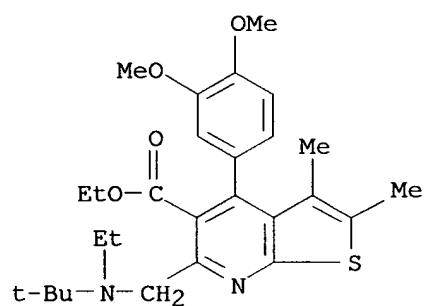
CN Thieno[2,3-b:5,4-b']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)





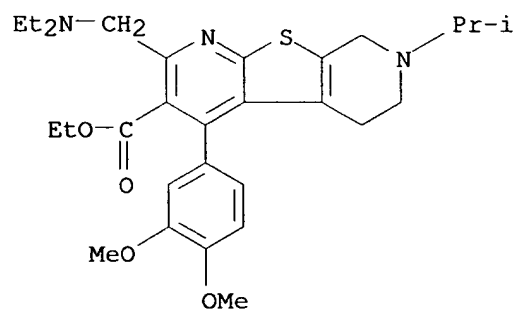
RN 244298-81-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 4-(3,4-dimethoxyphenyl)-6-[[1,1-dimethylethyl)ethylamino)methyl]-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



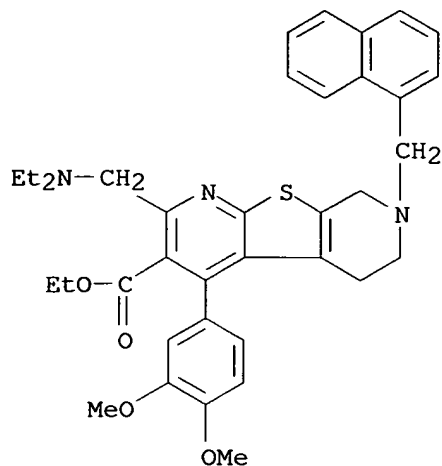
RN 244298-84-8 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(1-methylethyl)-, ethyl ester (9CI) (CA INDEX NAME)



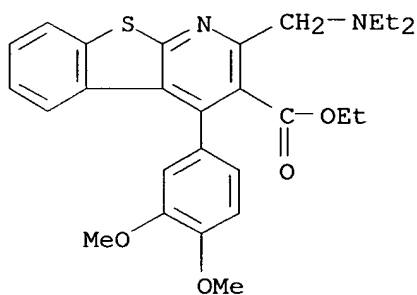
RN 244298-85-9 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(1-naphthalenylmethyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 244298-86-0 CAPLUS

CN [1]Benzo[thieno[2,3-b]pyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



IT 199102-01-7P 199102-02-8P 199102-06-2P

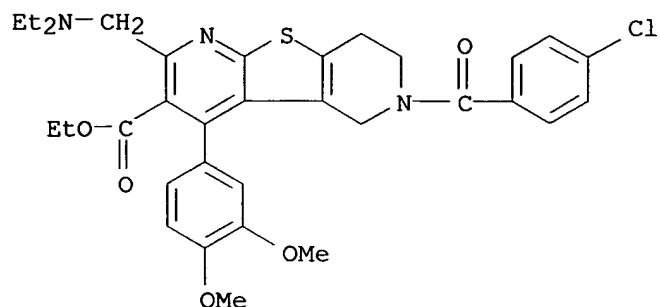
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RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(synthesis of novel thienodipyridine derivs. and their anti-inflammatory effect as disease-modifying antirheumatic drugs in relation to structure)

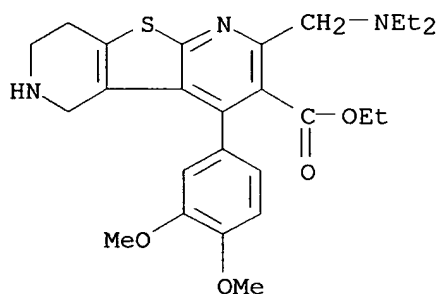
RN 199102-01-7 CAPLUS

CN Thieno[2,3-b:4,5-c']dipyridine-3-carboxylic acid, 6-(4-chlorobenzoyl)-2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



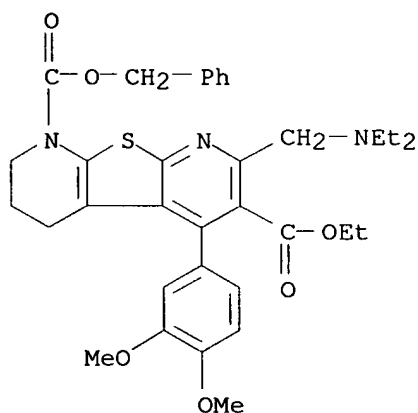
RN 199102-02-8 CAPLUS

CN Thieno[2,3-b:4,5-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



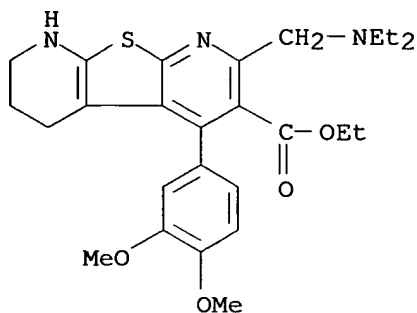
RN 199102-06-2 CAPLUS

CN Thieno[2,3-b:5,4-b']dipyridine-1,6(2H)-dicarboxylic acid, 7-[(diethylamino)methyl]-5-(3,4-dimethoxyphenyl)-3,4-dihydro-, 6-ethyl 1-(phenylmethyl) ester (9CI) (CA INDEX NAME)



RN 199102-09-5 CAPLUS

CN Thieno[2,3-b:5,4-b']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)

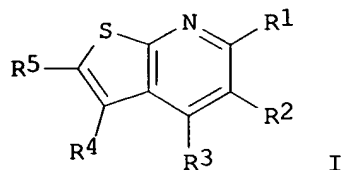


RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1997:717922 CAPLUS  
DN 128:13252  
TI Preparation of thienodipyrindinecarboxylates and analogs as drugs  
IN Sohda, Takashi; Makino, Haruhiko; Baba, Atsuo  
PA Takeda Chemical Industries, Ltd., Japan  
SO PCT Int. Appl., 174 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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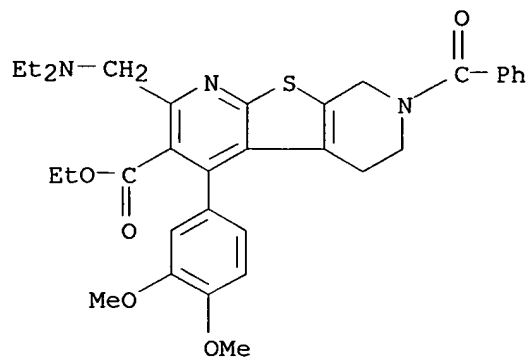
AB Title compds. [I; R1 = CH2ZR; R = (un)substituted NH2 or -heterocyclyl; R2 = (esterified) CO2H or halo; R3 = (un)substituted Ph; R4R5 = Z1NR6Z2; R6 = H, hydrocarbaryl, acyl, etc.; Z = bond, O, S, (CH2)1-5, etc.; Z1,Z2 = atoms to complete a 3- to 5-membered chain] were prepared as antiinflammatories, bone resorption inhibitors, etc. Thus, 1-(4-chlorobenzoyl)-4-piperidone was cyclocondensed with 3,4-(MeO)2C6H3COCH2CN (preparation given) and the product cyclocondensed with ClCH2CHCH2CO2Et to give I [R2 = CO2Et, R3 = C6H3(OMe)-3,4, R4R5 = CH2CH2N(COC6H4Cl-4)CH2] (II; R1 = CH2Cl) which was aminated with Et2NH to give II (R1 = CH2NEt2). Data for biol. activity of I were given.

IT 199101-50-3P 199101-51-4P 199101-53-6P  
199101-54-7P 199101-55-8P 199101-56-9P  
199101-57-0P 199101-58-1P 199101-59-2P  
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199102-36-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of thienodipyridinecarboxylates and analogs as drugs)

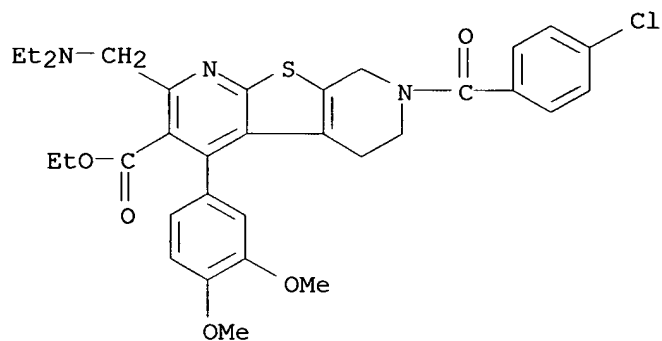
RN 199101-50-3 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 7-benzoyl-2-  
[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl  
ester (9CI) (CA INDEX NAME)



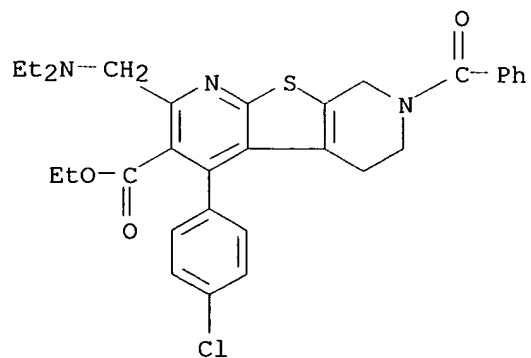
RN 199101-51-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 7-(4-chlorobenzoyl)-2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



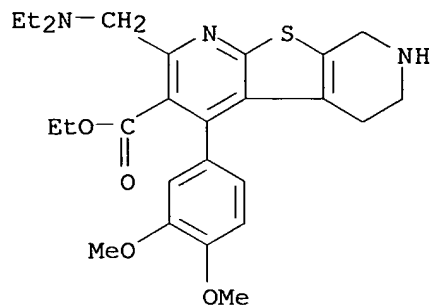
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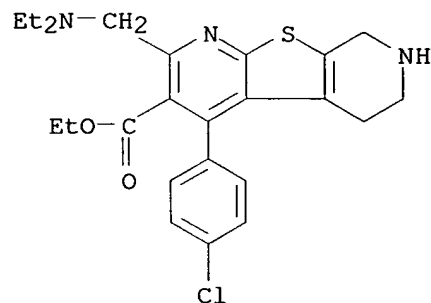
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CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



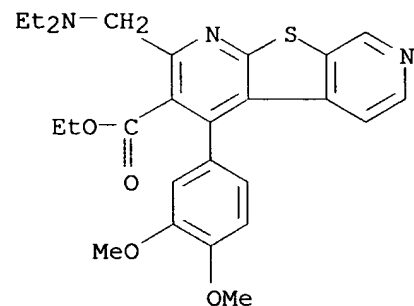
RN 199101-55-8 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 4-(4-chlorophenyl)-2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



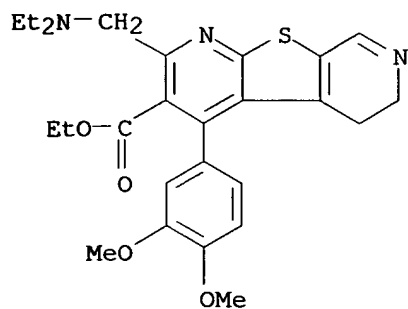
RN 199101-56-9 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



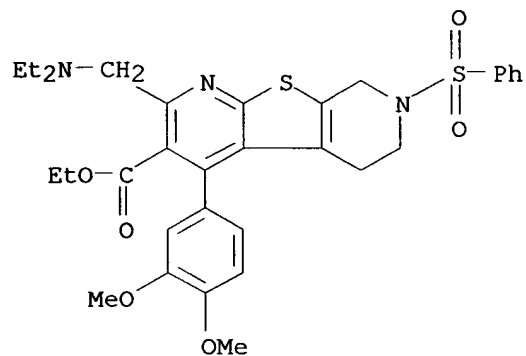
RN 199101-57-0 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6-dihydro-, ethyl ester (9CI) (CA INDEX NAME)



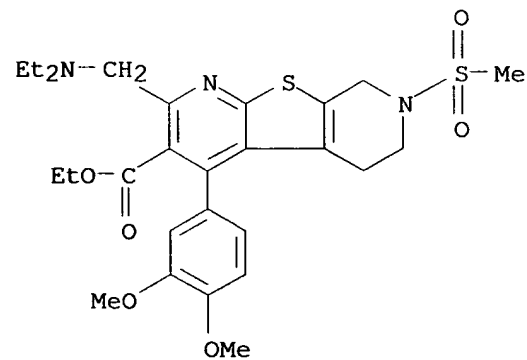
RN 199101-58-1 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylsulfonyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 199101-59-2 CAPLUS

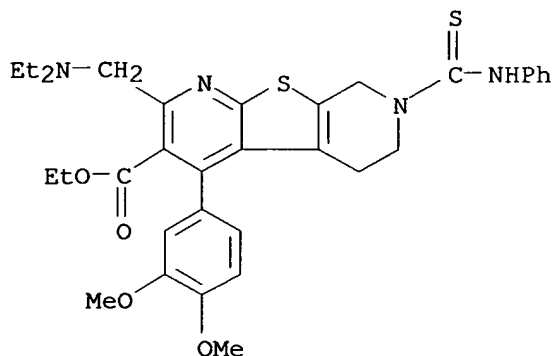
CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(methylsulfonyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 199101-60-5 CAPLUS

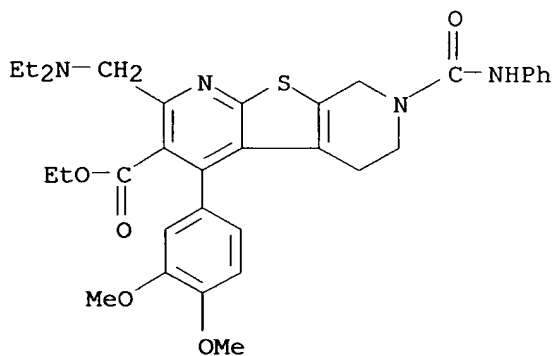


CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-[(phenylamino)thioxomethyl]-, ethyl ester (9CI) (CA INDEX NAME)



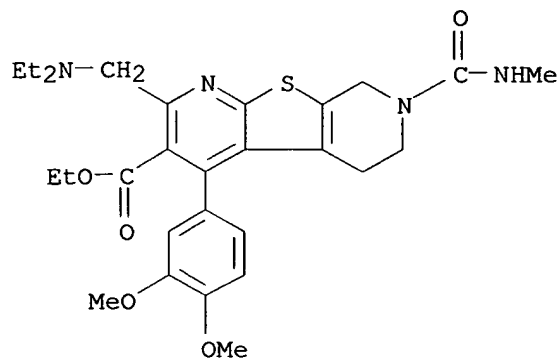
RN 199101-61-6 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



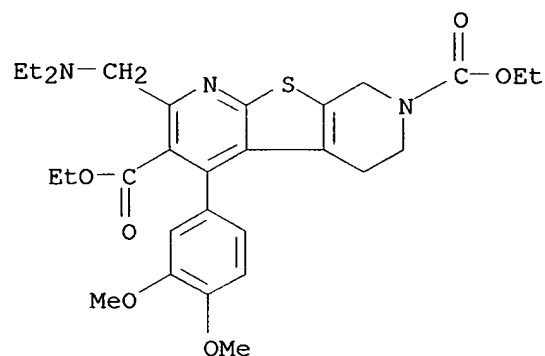
RN 199101-62-7 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-[(methylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



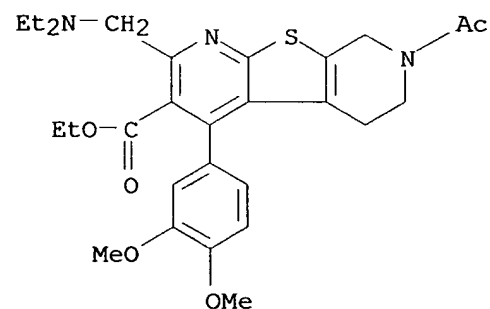
RN 199101-63-8 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3,7(6H)-dicarboxylic acid,  
2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,8-dihydro-, diethyl  
ester (9CI) (CA INDEX NAME)



RN 199101-64-9 CAPLUS

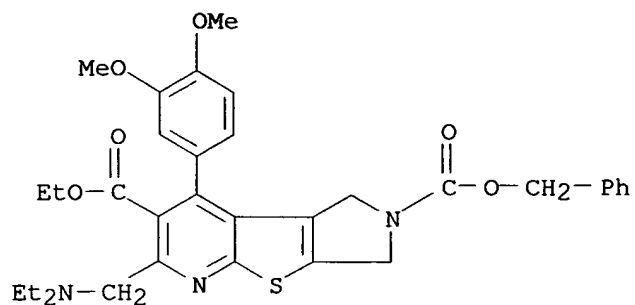
CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 7-acetyl-2-  
[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl  
ester (9CI) (CA INDEX NAME)



RN 199101-65-0 CAPLUS

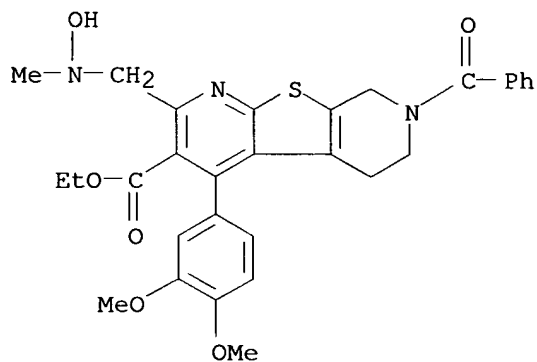
CN 6H-Pyrrolo[3',4':4,5]thieno[2,3-b]pyridine-3,6-dicarboxylic acid,

2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,7-dihydro-, 3-ethyl  
6-(phenylmethyl) ester (9CI) (CA INDEX NAME)



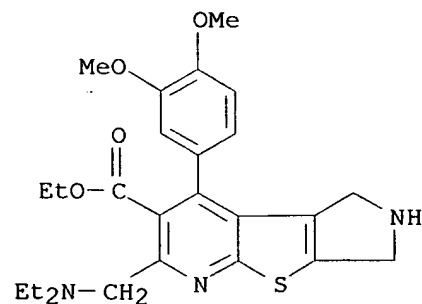
RN 199101-74-1 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 7-benzoyl-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-2-[(hydroxymethylamino)methyl]-, ethyl ester (9CI) (CA INDEX NAME)



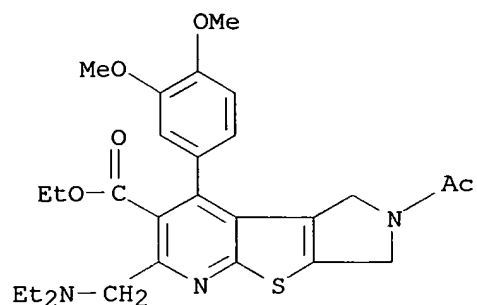
RN 199101-80-9 CAPLUS

CN 5H-Pyrrolo[3',4':4,5]thieno[2,3-b]pyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-6,7-dihydro-, ethyl ester (9CI) (CA INDEX NAME)



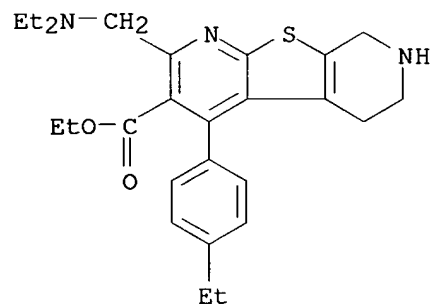
RN 199101-81-0 CAPLUS

CN 5H-Pyrrolo[3',4':4,5]thieno[2,3-b]pyridine-3-carboxylic acid,  
6-acetyl-2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-6,7-dihydro-,  
ethyl ester (9CI) (CA INDEX NAME)



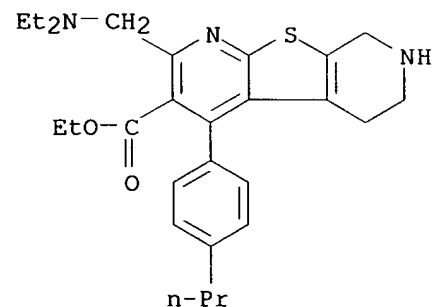
RN 199101-82-1 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-  
4-(4-ethylphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



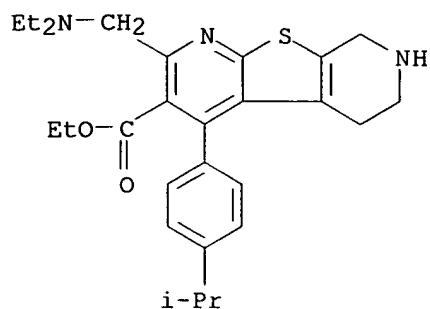
RN 199101-83-2 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-  
5,6,7,8-tetrahydro-4-(4-propylphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



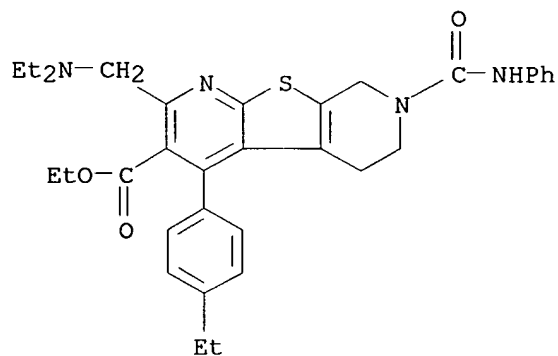
RN 199101-84-3 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-  
5,6,7,8-tetrahydro-4-[4-(1-methylethyl)phenyl]-, ethyl ester (9CI) (CA  
INDEX NAME)



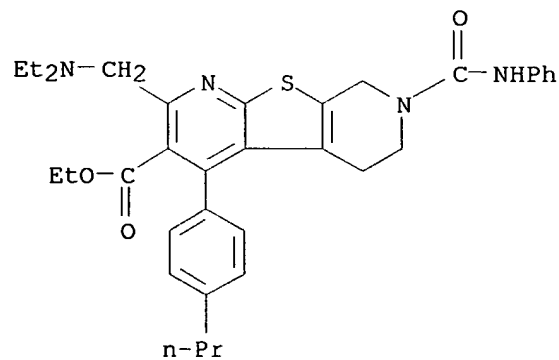
RN 199101-85-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(4-ethylphenyl)-5,6,7,8-tetrahydro-7-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



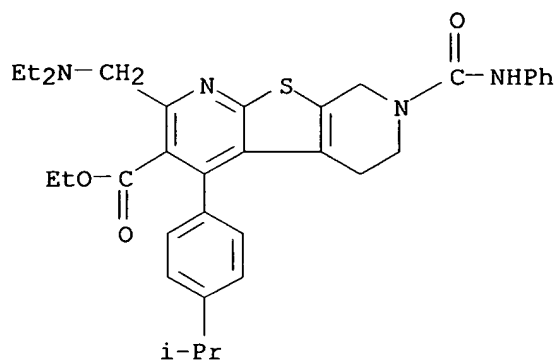
RN 199101-86-5 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-7-[(phenylamino)carbonyl]-4-(4-propylphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



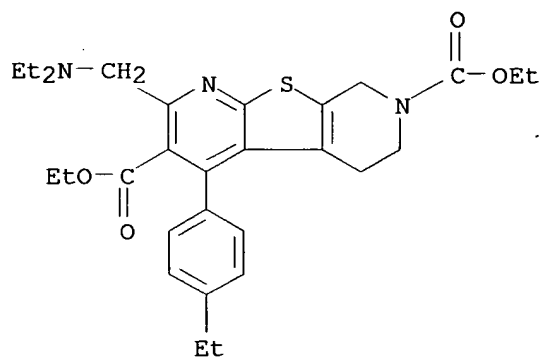
RN 199101-87-6 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-4-[4-(1-methylethyl)phenyl]-7-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



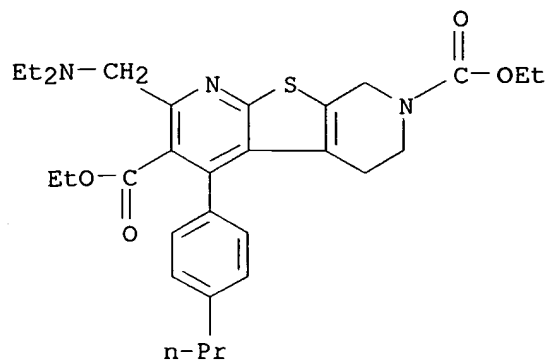
RN 199101-88-7 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3,7(6H)-dicarboxylic acid, 2-[(diethylamino)methyl]-4-(4-ethylphenyl)-5,8-dihydro-, diethyl ester (9CI) (CA INDEX NAME)



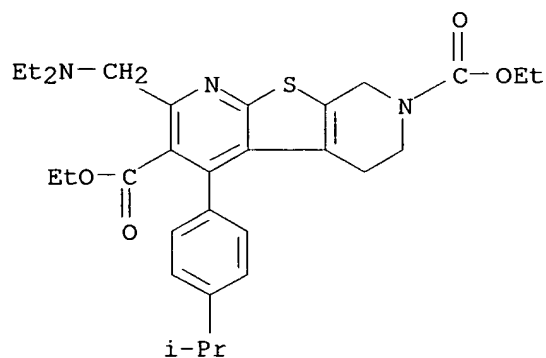
RN 199101-89-8 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3,7(6H)-dicarboxylic acid, 2-[(diethylamino)methyl]-5,8-dihydro-4-(4-propylphenyl)-, diethyl ester (9CI) (CA INDEX NAME)



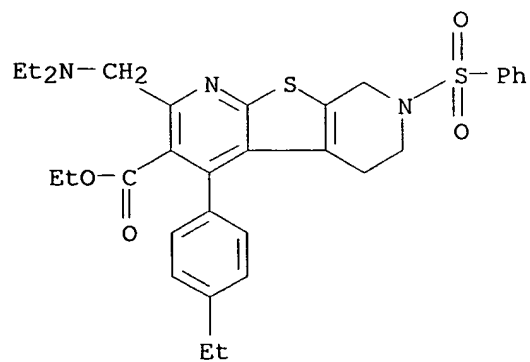
RN 199101-90-1 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3,7(6H)-dicarboxylic acid,  
2-[(diethylamino)methyl]-5,8-dihydro-4-[4-(1-methylethyl)phenyl]-, diethyl  
ester (9CI) (CA INDEX NAME)



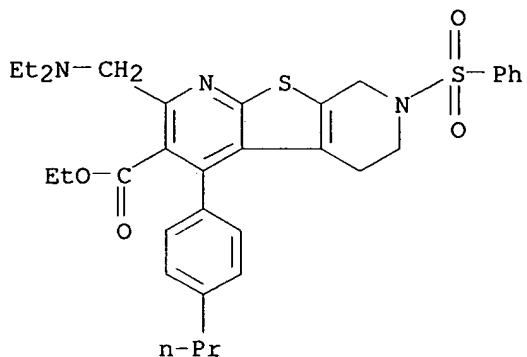
RN 199101-91-2 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-  
4-(4-ethylphenyl)-5,6,7,8-tetrahydro-7-(phenylsulfonyl)-, ethyl ester  
(9CI) (CA INDEX NAME)



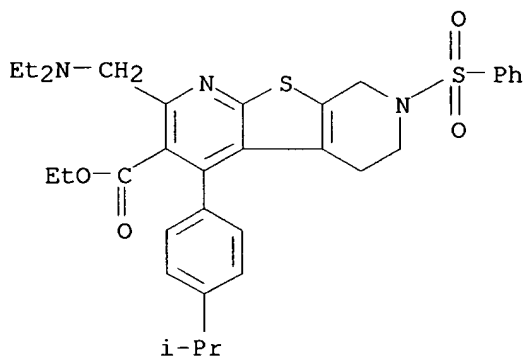
RN 199101-92-3 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-7-(phenylsulfonyl)-4-(4-propylphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 199101-93-4 CAPLUS

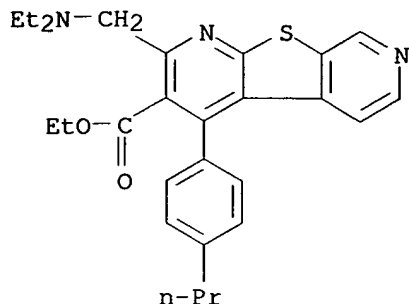
CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-4-[4-(1-methylethyl)phenyl]-7-(phenylsulfonyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 199101-94-5 CAPLUS

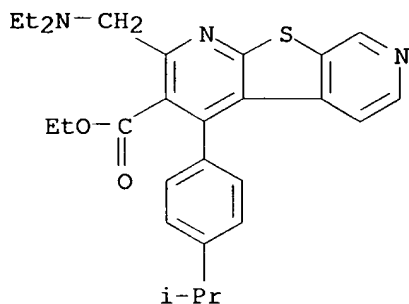
CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(4-propylphenyl)-, ethyl ester (9CI) (CA INDEX NAME)





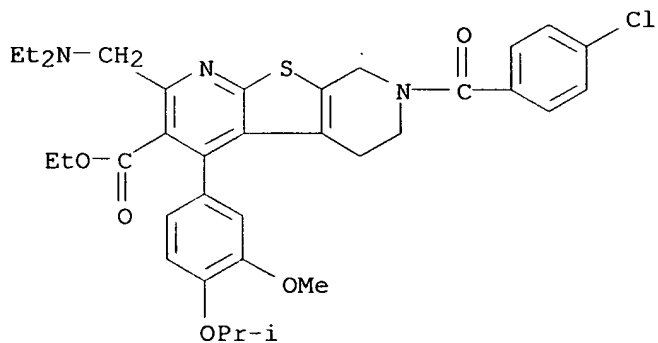
RN 199101-95-6 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-[4-(1-methylethyl)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



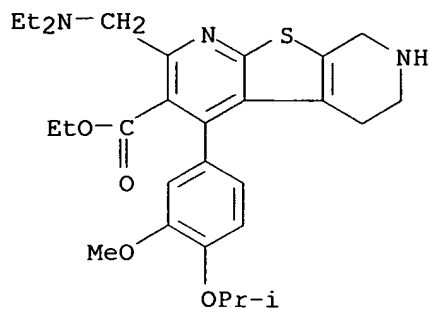
RN 199101-96-7 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 7-(4-chlorobenzoyl)-2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-4-[3-methoxy-4-(1-methylethoxy)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)

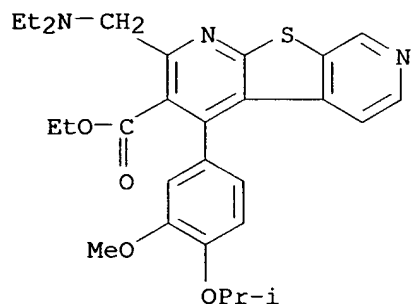


RN 199101-97-8 CAPLUS

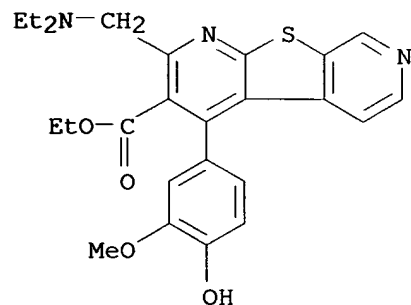
CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-4-[3-methoxy-4-(1-methylethoxy)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



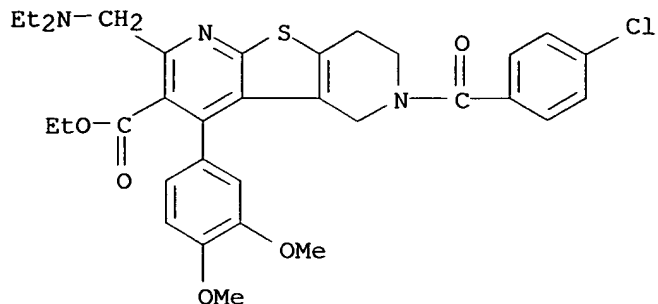
RN 199101-98-9 CAPLUS  
 CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-[3-methoxy-4-(1-methylethoxy)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 199101-99-0 CAPLUS  
 CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(4-hydroxy-3-methoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)

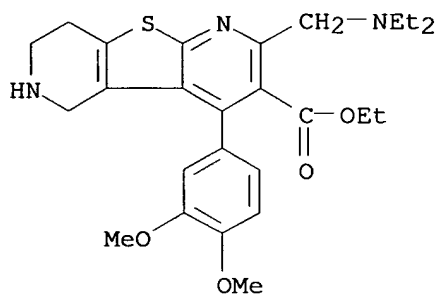


RN 199102-01-7 CAPLUS  
 CN Thieno[2,3-b:4,5-c']dipyridine-3-carboxylic acid, 6-(4-chlorobenzoyl)-2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



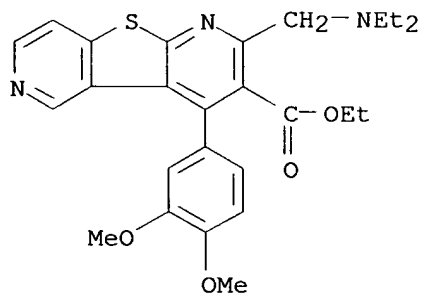
RN 199102-02-8 CAPLUS

CN Thieno[2,3-b:4,5-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



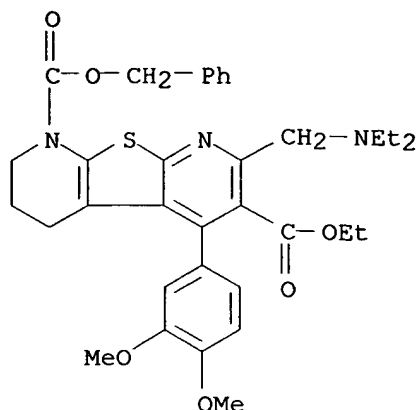
RN 199102-03-9 CAPLUS

CN Thieno[2,3-b:4,5-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



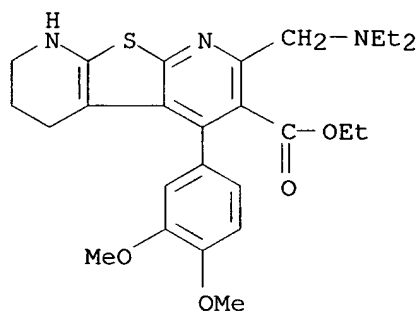
RN 199102-06-2 CAPLUS

CN Thieno[2,3-b:5,4-b']dipyridine-1,6(2H)-dicarboxylic acid, 7-[(diethylamino)methyl]-5-(3,4-dimethoxyphenyl)-3,4-dihydro-, 6-ethyl 1-(phenylmethyl) ester (9CI) (CA INDEX NAME)



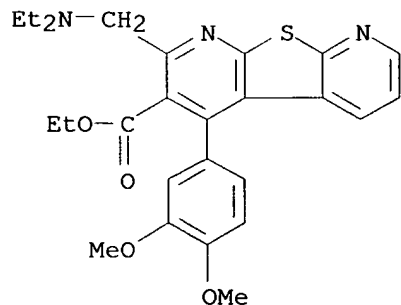
RN 199102-09-5 CAPLUS

CN Thieno[2,3-b:5,4-b']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



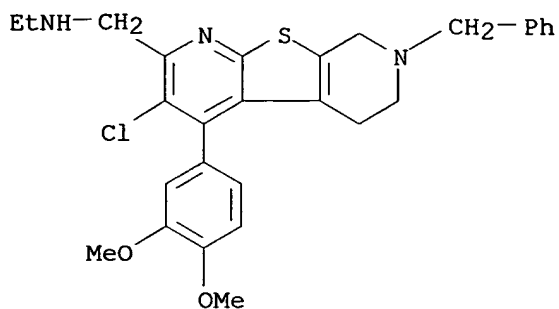
RN 199102-12-0 CAPLUS

CN Thieno[2,3-b:5,4-b']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



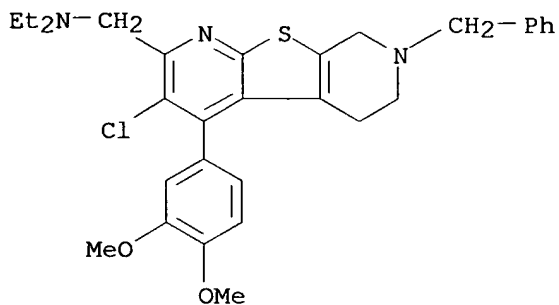
RN 199102-15-3 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-4-(3,4-dimethoxyphenyl)-N-ethyl-5,6,7,8-tetrahydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



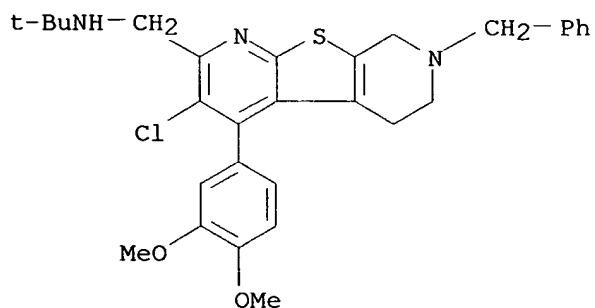
RN 199102-16-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-4-(3,4-dimethoxyphenyl)-N,N-diethyl-5,6,7,8-tetrahydro-7-(phenylmethyl)- (9CI)  
(CA INDEX NAME)



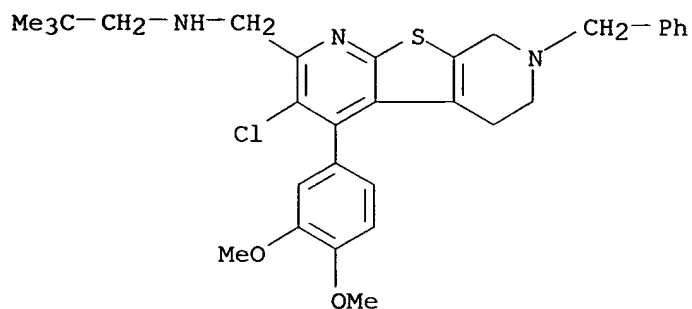
RN 199102-17-5 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-4-(3,4-dimethoxyphenyl)-N-(1,1-dimethylethyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



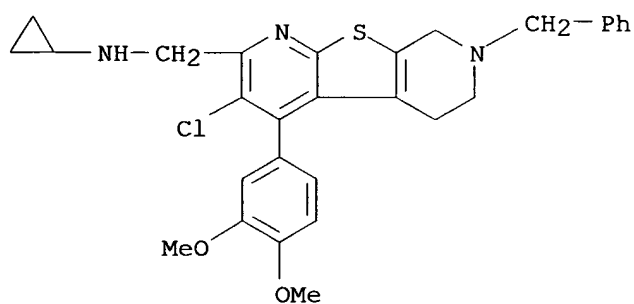
RN 199102-18-6 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-4-(3,4-dimethoxyphenyl)-N-(2,2-dimethylpropyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



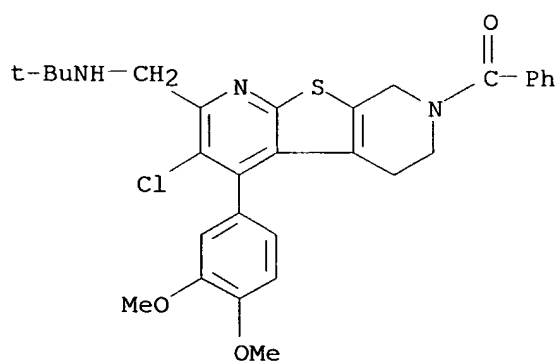
RN 199102-19-7 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-N-cyclopropyl-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)



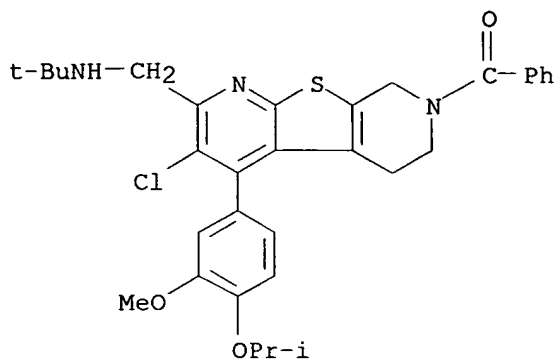
RN 199102-22-2 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 7-benzoyl-3-chloro-4-(3,4-dimethoxyphenyl)-N-(1,1-dimethylethyl)-5,6,7,8-tetrahydro- (9CI) (CA INDEX NAME)



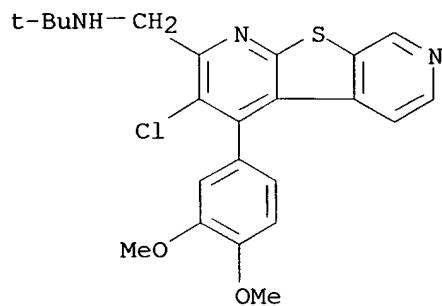
RN 199102-23-3 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 7-benzoyl-3-chloro-N-(1,1-dimethylethyl)-5,6,7,8-tetrahydro-4-[3-methoxy-4-(1-methylethoxy)phenyl]- (9CI) (CA INDEX NAME)



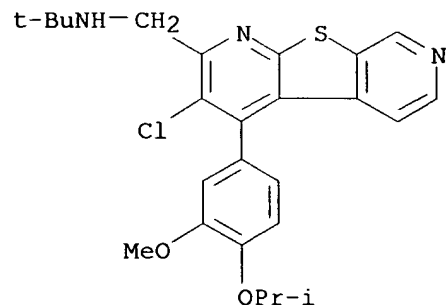
RN 199102-24-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-4-(3,4-dimethoxyphenyl)-N-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



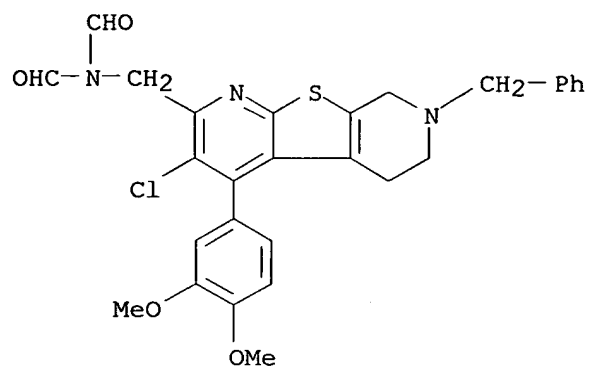
RN 199102-25-5 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-N-(1,1-dimethylethyl)-4-[3-methoxy-4-(1-methylethoxy)phenyl]- (9CI) (CA INDEX NAME)



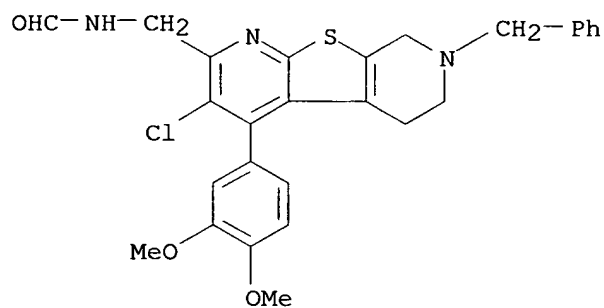
RN 199102-30-2 CAPLUS

CN Formamide, N-[[3-chloro-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)thieno[2,3-b:5,4-c']dipyridin-2-yl]methyl]-N-formyl- (9CI) (CA INDEX NAME)



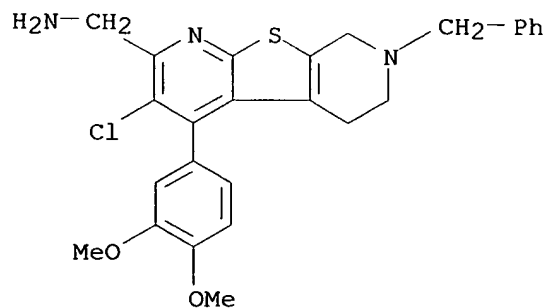
RN 199102-31-3 CAPLUS

CN Formamide, N-[[3-chloro-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)thieno[2,3-b:5,4-c']dipyridin-2-yl]methyl]- (9CI) (CA INDEX NAME)



RN 199102-32-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-2-methanamine, 3-chloro-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)- (9CI) (CA INDEX NAME)

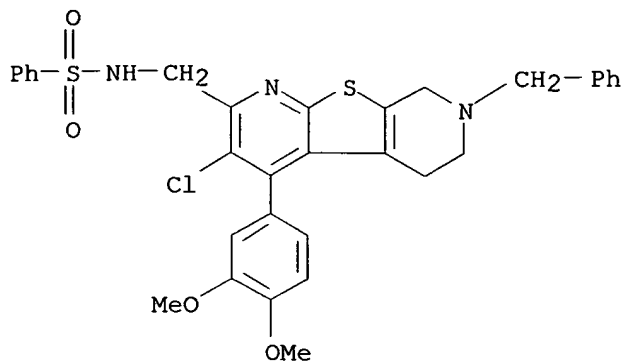


RN 199102-33-5 CAPLUS

CN Benzenesulfonamide, N-[[3-chloro-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)thieno[2,3-b:5,4-c']dipyridin-2-yl]methyl]-

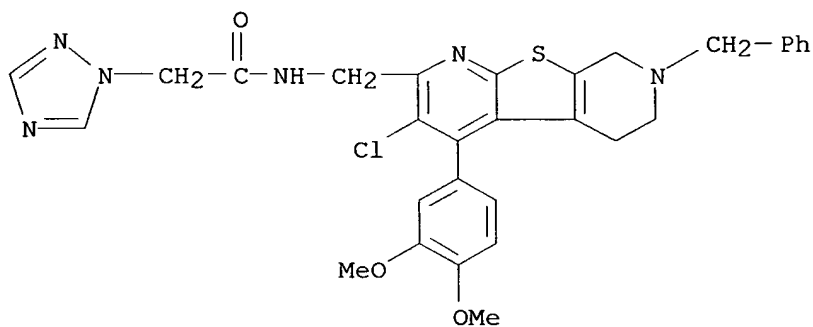


(9CI) (CA INDEX NAME)



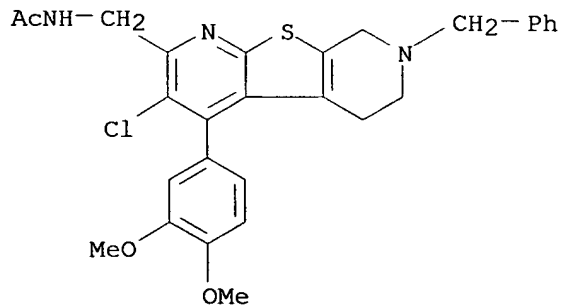
RN 199102-34-6 CAPLUS

CN 1H-1,2,4-Triazole-1-acetamide, N-[[3-chloro-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)thieno[2,3-b:5,4-c']dipyridin-2-yl)methyl]- (9CI) (CA INDEX NAME)



RN 199102-35-7 CAPLUS

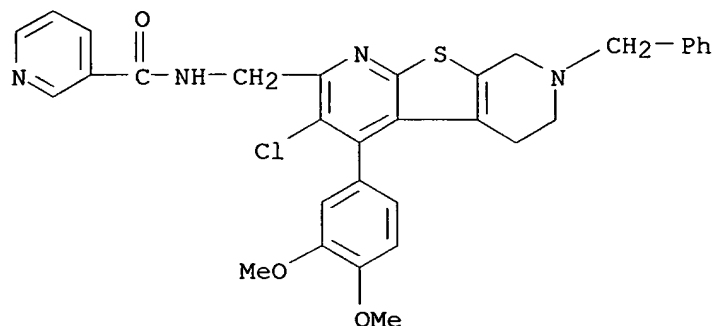
CN Acetamide, N-[[3-chloro-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)thieno[2,3-b:5,4-c']dipyridin-2-yl)methyl]- (9CI) (CA INDEX NAME)



RN 199102-36-8 CAPLUS

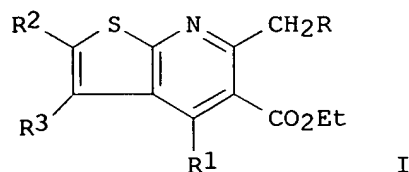
CN 3-Pyridinecarboxamide, N-[[3-chloro-4-(3,4-dimethoxyphenyl)-5,6,7,8-

tetrahydro-7-(phenylmethyl)thieno[2,3-b:5,4-c']dipyridin-2-yl)methyl]-  
(9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:466919 CAPLUS  
DN 125:114583  
TI Thienopyridine or thienopyrimidine derivatives and their use  
IN Sohda, Takashi; Makino, Haruhiko; Baba, Atsuo  
PA Takeda Chemical Industries, Ltd., Japan  
SO PCT Int. Appl., 85 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9614319	A1	19960517	WO 1995-JP2271	19951107 <--
	W: AL, AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2202985	AA	19960517	CA 1995-2202985	19951107 <--
	AU 9538158	A1	19960531	AU 1995-38158	19951107 <--
	AU 699354	B2	19981203		
	EP 791000	A1	19970827	EP 1995-936112	19951107 <--
	EP 791000	B1	20021002		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	CN 1162958	A	19971022	CN 1995-196119	19951107 <--
	HU 77348	A2	19980330	HU 1997-2020	19951107 <--
	AT 225351	E	20021015	AT 1995-936112	19951107
	JP 08225577	A2	19960903	JP 1995-290204	19951108 <--
	US 5747486	A	19980505	US 1995-571915	19951227 <--
	NO 9702043	A	19970625	NO 1997-2043	19970502 <--
	FI 9701974	A	19970618	FI 1997-1974	19970507 <--
PRAI	JP 1994-273801	A	19941108		
	JP 1994-320055	A	19941222		
	WO 1995-JP2271	W	19951107		
OS	MARPAT 125:114583				
GI					



AB This invention provides anti-inflammatory agents, particularly agents for treating arthritis, and bone resorption inhibiting agents containing a thienopyridine derivative I (R = Et<sub>2</sub>N, triazolyl, imidazolyl, pyrrolidinyl, piperidino, morpholino, etc.; R<sub>1</sub> = Ph, di- and trimethoxyphenyl; R<sub>2</sub> = R<sub>3</sub> = Me, R<sub>2</sub>R<sub>3</sub> = CH<sub>2</sub>SCH<sub>2</sub>CH<sub>2</sub>, CH<sub>2</sub>NR<sub>4</sub>CH<sub>2</sub>CH<sub>2</sub>, R<sub>4</sub> = Me, Et, Pr, benzyl, etc.).

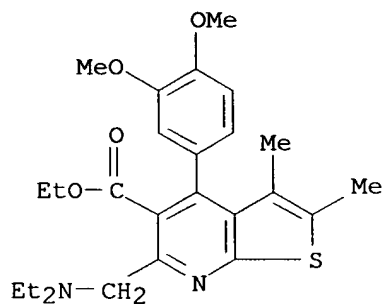
IT 179327-47-0P 179327-52-7P 179327-53-8P  
 179327-56-1P 179327-59-4P 179327-60-7P  
 179327-61-8P 179327-64-1P 179327-65-2P  
 179327-66-3P 179327-69-6P 179327-70-9P  
 179327-71-0P 179327-72-1P 179327-73-2P  
 179327-74-3P 179327-75-4P 179327-82-3P  
 179327-83-4P 179327-84-5P 179327-85-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of antiinflammatory, antiarthritic and antiosteoporitic thienopyrimidines)

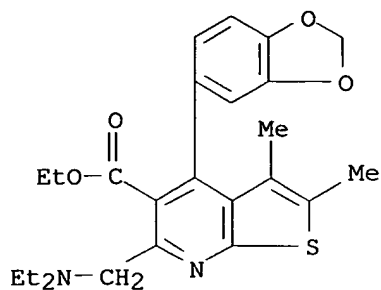
RN 179327-47-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



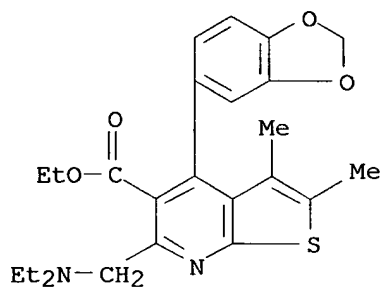
RN 179327-52-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 4-(1,3-benzodioxol-5-yl)-6-[(diethylamino)methyl]-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 179327-53-8 CAPLUS

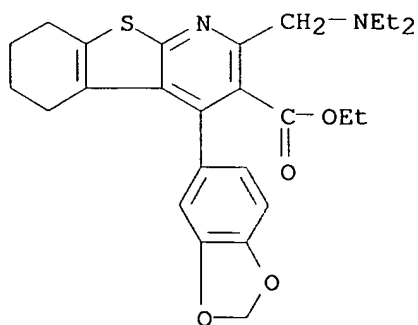
CN Thieno[2,3-b]pyridine-5-carboxylic acid, 4-(1,3-benzodioxol-5-yl)-6-[(diethylamino)methyl]-2,3-dimethyl-, ethyl ester, monohydrochloride (9CI)  
(CA INDEX NAME)



● HCl

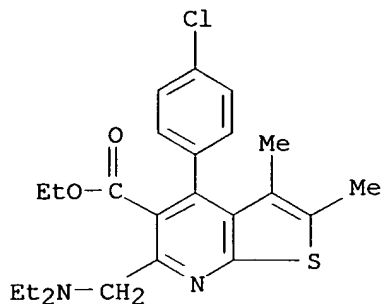
RN 179327-56-1 CAPLUS

CN [1]Benzothieno[2,3-b]pyridine-3-carboxylic acid, 4-(1,3-benzodioxol-5-yl)-2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)

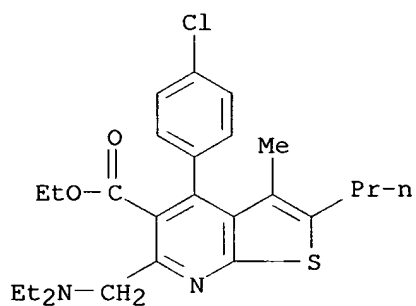


RN 179327-59-4 CAPLUS

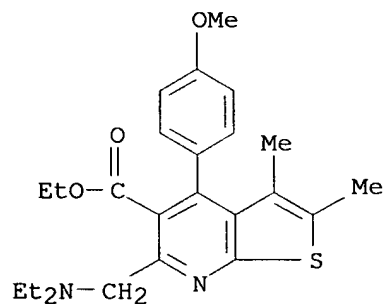
CN Thieno[2,3-b]pyridine-5-carboxylic acid, 4-(4-chlorophenyl)-6-[(diethylamino)methyl]-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



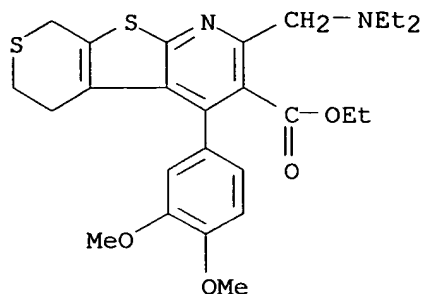
RN 179327-60-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 4-(4-chlorophenyl)-6-[(diethylamino)methyl]-3-methyl-2-propyl-, ethyl ester (9CI) (CA INDEX NAME)



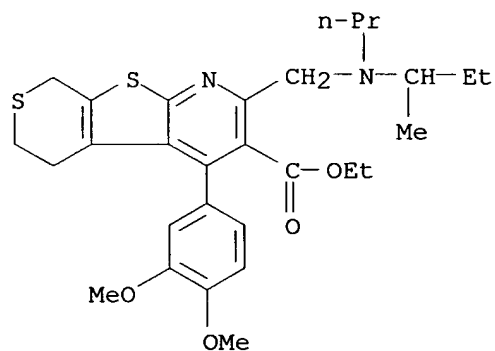
RN 179327-61-8 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-4-(4-methoxyphenyl)-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



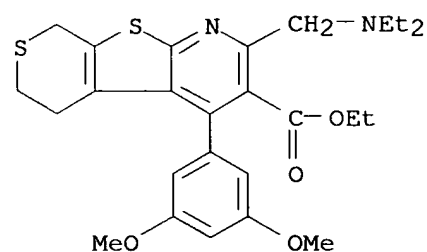
RN 179327-64-1 CAPLUS  
 CN 6H-Thiopyrano[4',3':4,5]thieno[2,3-b]pyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,8-dihydro-, ethyl ester (9CI) (CA INDEX NAME)



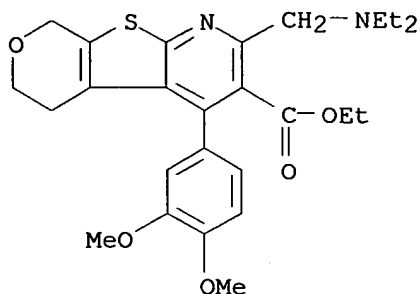
RN 179327-65-2 CAPLUS  
 CN 6H-Thiopyrano[4',3':4,5]thieno[2,3-b]pyridine-3-carboxylic acid,  
 4-(3,4-dimethoxyphenyl)-5,8-dihydro-2-[[1-methylpropyl]propylamino]methyl  
 ]-, ethyl ester (9CI) (CA INDEX NAME)



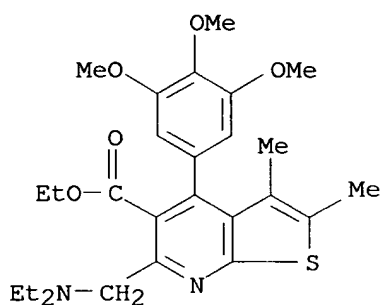
RN 179327-66-3 CAPLUS  
 CN 6H-Thiopyrano[4',3':4,5]thieno[2,3-b]pyridine-3-carboxylic acid,  
 2-[(diethylamino)methyl]-4-(3,5-dimethoxyphenyl)-5,8-dihydro-, ethyl ester  
 (9CI) (CA INDEX NAME)



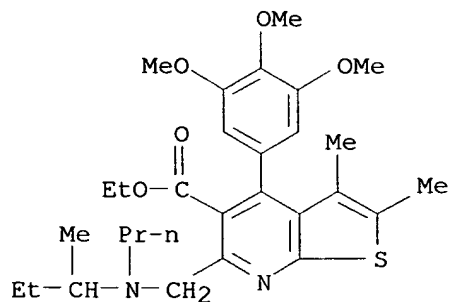
RN 179327-69-6 CAPLUS  
 CN 6H-Pyrano[4',3':4,5]thieno[2,3-b]pyridine-3-carboxylic acid,  
 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,8-dihydro-, ethyl ester  
 (9CI) (CA INDEX NAME)



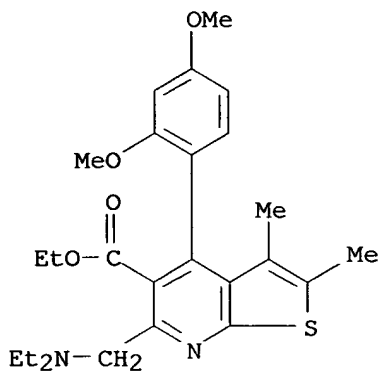
RN 179327-70-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-2,3-dimethyl-4-(3,4,5-trimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



RN 179327-71-0 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 2,3-dimethyl-6-[[1-(1-methylpropyl)propylamino]methyl]-4-(3,4,5-trimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)

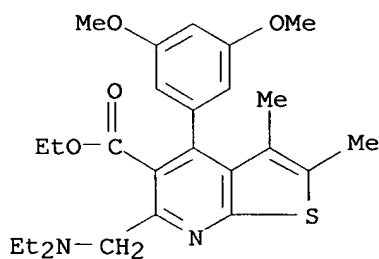


RN 179327-72-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-4-(2,4-dimethoxyphenyl)-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



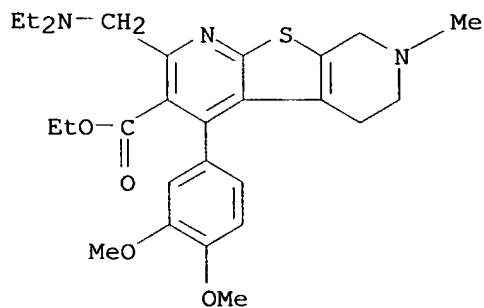
RN 179327-73-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 6-[(diethylamino)methyl]-4-(3,5-dimethoxyphenyl)-2,3-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 179327-74-3 CAPLUS

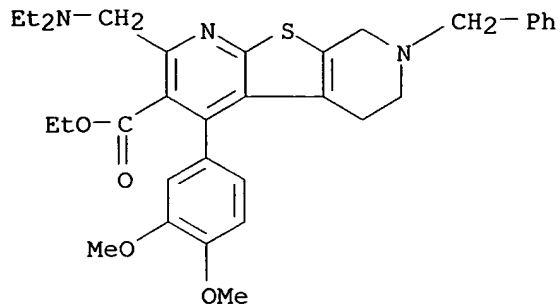
CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-methyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 179327-75-4 CAPLUS

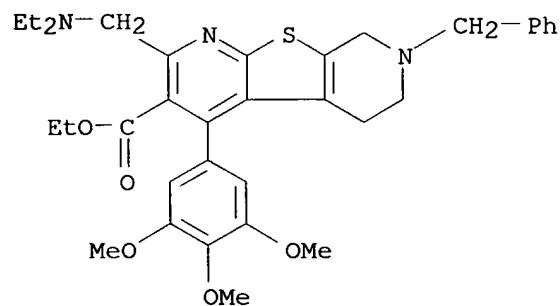
CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-(phenylmethyl)-, ethyl ester (9CI) (CA INDEX NAME)





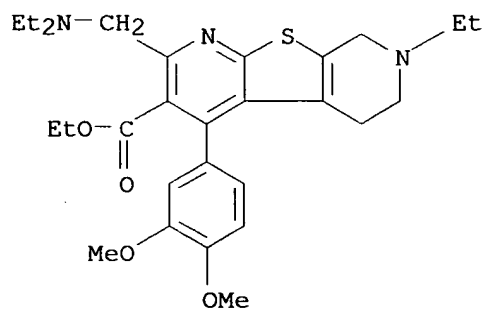
RN 179327-82-3 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-7-(phenylmethyl)-4-(3,4,5-trimethoxyphenyl)-, ethyl ester (9CI) (CA INDEX NAME)



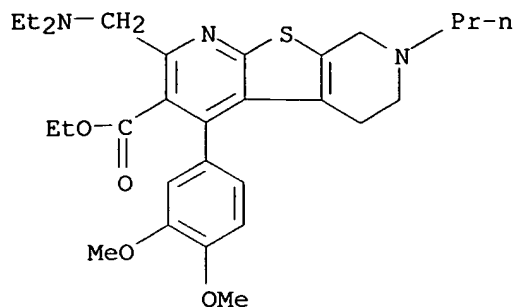
RN 179327-83-4 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-7-ethyl-5,6,7,8-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)



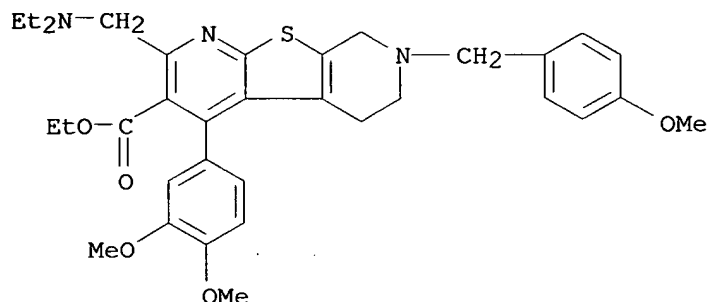
RN 179327-84-5 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-propyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 179327-85-6 CAPLUS

CN Thieno[2,3-b:5,4-c']dipyridine-3-carboxylic acid, 2-[(diethylamino)methyl]-4-(3,4-dimethoxyphenyl)-5,6,7,8-tetrahydro-7-[(4-methoxyphenyl)methyl]-, ethyl ester (9CI) (CA INDEX NAME)



=&gt; s 14 not 15

L6 2 L4 NOT L5

=&gt; dis 1-2 bib abs

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:173611 CAPLUS

DN 138:221576

TI Process for preparation of thienopyridine derivatives as antiinflammatory agents

IN Tawada, Hiroyuki; Nagata, Toshiaki; Tanaka, Takahiro; Hanaoka, Tadashi

PA Takeda Chemical Industries, Ltd., Japan

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003018590	A1	20030306	WO 2002-JP8445	20020822
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,				

PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,  
 UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,  
 TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,  
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
 PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
 NE, SN, TD, TG  
 JP 2003137889 A2 20030514 JP 2002-241876 20020822  
 PRAI JP 2001-254598 A 20010824  
 OS MARPAT 138:221576  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB This invention pertains to prepn method of thienopyridine derivs. I and II [wherein G = halo, OH, (un)substituted amino, alkyl, or alkoxy; X = (un)substituted alkylenyl; n = 2-4; ring A = (un)substituted Ph; ring B = (un)substituted 5-8 membered ring without a nitrogen atom] and salts thereof. For example, compound III was prepared in a multi-step synthesis comprising a ring closure reaction in good yield. I are useful as antiinflammatory agents for inhibition of bone resorption and production of cytokine (do data). Formulations containing I as an active ingredient were also described.

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:661430 CAPLUS

DN 135:226889

TI Preparation of thienopyridines as antiinflammatory agents

IN Yasuma, Tsuneo; Baba, Atsuo; Makino, Haruhiko; Aoki, Isao; Nagata, Toshiaki

PA Takeda Chemical Industries, Ltd., Japan

SO PCT Int. Appl., 195 pp.

CODEN: PIXXD2

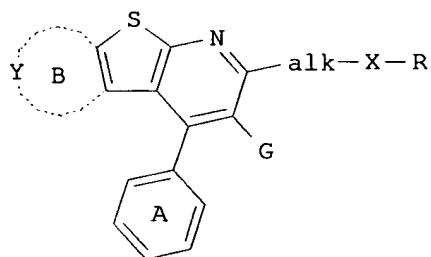
DT Patent

LA English

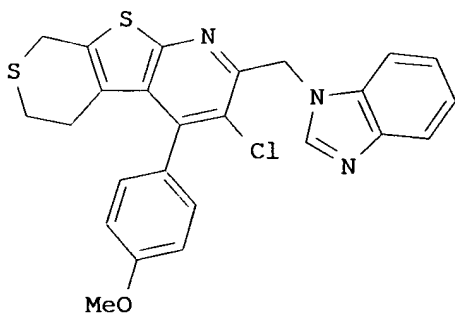
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001064685	A2	20010907	WO 2001-JP1483	20010228
	WO 2001064685	A3	20020808		
	W:				
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	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	TW 591031	B	20040611	TW 2001-90103874	20010221
	CA 2397165	AA	20010907	CA 2001-2397165	20010228
	AU 2001035985	A5	20010912	AU 2001-35985	20010228
	JP 2001316390	A2	20011113	JP 2001-54421	20010228

EP 1259515	A2	20021127	EP 2001-908123	20010228
EP 1259515	B1	20041110		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001008840	A	20021217	BR 2001-8840	20010228
NZ 520155	A	20030630	NZ 2001-520155	20010228
AT 282042	E	20041115	AT 2001-908123	20010228
PT 1259515	T	20050228	PT 2001-908123	20010228
ES 2227139	T3	20050401	ES 2001-1908123	20010228
ZA 2002005145	A	20030904	ZA 2002-5145	20020626
US 2003130517	A1	20030710	US 2002-204593	20020822
US 6653476	B2	20031125		
NO 2002004107	A	20020927	NO 2002-4107	20020828
HK 1048120	A1	20050506	HK 2003-100300	20030113
US 2004054183	A1	20040318	US 2003-662165	20030903
PRAI JP 2000-105770	A	20000229		
WO 2001-JP1483	W	20010228		
US 2002-204593	A3	20020822		
OS MARPAT 135:226889				
GI				



I



II

AB The title compds. [I; G = halo, OH, (un)substituted NH<sub>2</sub>, etc.; alk = alkylene; X = O, (un)oxidized S, (CH<sub>2</sub>)<sub>q</sub> (q = 0-5); R = (un)substituted NH<sub>2</sub>, (un)substituted heterocyclyl; B = (un)substituted Y-containing 5-8 membered ring (no N atom in the ring); Y = O, (un)oxidized S, C(:S), etc.; A = (un)substituted Ph], useful as anti-inflammatory drugs, particularly as remedies for arthritis, were prepared and formulated. E.g., a 3-step synthesis of II was given. The compds. I exhibited efficacy in

10/662,165 (amended)

suppressing the footpad swelling in rats (data given).

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

22.91

184.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.65

-3.65

STN INTERNATIONAL LOGOFF AT 09:29:43 ON 21 NOV 2005